

SECOND LIST OF BIRDS OBTAINED IN THE KHASI AND NORTH CACHAR HILL RANGES, INCLUDING THE GARO HILLS AND COUNTRY AT THEIR BASE IN THE MYMENSING AND SYLHET DISTRICTS,—by MAJOR H. H. GODWIN-AUSTEN, F. R. G. S., *Deputy Superintendent Topographical Survey of India.*

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During the past field season (1869-70) I have been able to make another collection of birds from the above hills. It includes some 148 species, and forms an addition to the list, lately published in this Journal (see p. 91). The greater number of the birds were collected upon the southern base of the Khasi and Garo Hills, and in the Garo Hills themselves; it contains, therefore, fewer novelties, and the species are for the most part well known; especially is this the case with the *Grallatores*, nearly all from the beels of Sylhet and Mymensing. We find here the same species as are to be got to the west of the Brahmaputra; nevertheless I have recorded every bird, whether common or not, shot by my assistants, the collector, or myself, and *only* these have been brought into the list, thus many very common birds do not appear in it at all. Those enumerated have been identified in "Jerdon's Birds of India," or compared with the collection in the Indian Museum, Calcutta, with Blyth's descriptions in the Journal of the Asiatic Society of Bengal, &c.

For a few birds, obtained on the north Cachar side, I am indebted to Mr. W. Robert, Assistant Surveyor, who, I am glad to say, has commenced to form a collection of his own, and who will I trust add many more and new birds to the present list. A Surveyor has fine opportunities afforded him of forming a collection in any section of Natural History, and if he only carry on this work for several years, must make this a very valuable and complete one, for he visits every kind of ground at successive elevations. Thus Mr. N. A. B e l l e t t y has added many birds that I did not obtain or see myself, and in the same way, Mrs. B e l l e t t y, remaining at the Head Quarter Camp, added a number brought in by a collector, and identified the same as well as a great number sent in by myself and those working in the hills. I have every hope that

the desire, expressed in my first paper on the birds of these hills, will be fulfilled, and that the list now commenced, will be greatly added to through the agency of the members of the Survey party, provided the Survey should continue to exist in these days of reduction.

Besides the birds recorded in the list, there are others in my collection of whose identification I am still doubtful, and two or three may prove new; I was unable to find them among those in the Indian Museum. I, therefore, refrain from any remarks or descriptions, until I shall have an opportunity of comparing them with collections in England, the British Museum, &c. Among the species not yet identified, I may mention a *Drymoipus*, *Suya*, *Siphia*, *Pellorneum*, *Stachyris*, *Phylloscopus* and *Tribura*, this last may be *T. luteoventris*, H o d g s.

J e r d o n ' s N o .

No. 2. OTOGYPS CALVUS, S c o p o l i .

Some six or eight were together at Chatak.

20a. HIERAX MELANOLEUCOS, B l y t h .

Length $6\frac{1}{2}$ " , wing $4\cdot2$ " , tail $3\cdot2$ " , tarsus $1\cdot0$ " , bill at front $0\cdot42$ " ; obtained for me by Mr. W. R o b e r t , Assistant Surveyor, near Lukhipur, Cachar.

24. ACCIPITER NISUS, L i n n .

From Mymensing. Length 14 " , ex. $26\frac{1}{2}$ " , wing 9 " , tail $7\frac{1}{4}$ " , tarsus $2\frac{1}{4}$ " .

30. AQUILA HASTATA, L e s s .

On the plateau near Nongkulong (1,500 feet), West Khasi. The feet and cere are dull yellow. L. $26\frac{1}{2}$ " , ex. 60 " , w. 20 " , t. 10 " , tr. 5 " , bill at front $2\frac{1}{4}$ " , spread of foot with claws $5\cdot2$ " .

40. PANDION HALÆTUS, L i n n .

L. 21 " , ex. $58\frac{1}{2}$ " , w. $16\frac{3}{4}$ " , t. 9 " . — Teria Ghat.

41. POLIOÆTUS ICHTHYÆTUS, H o r s f .

42. HALÆTUS FULVIVENTER, V i e i l .

Both this and the previous species were breeding in Mymensing in December and January.

51. CIRCUS SWAINSONII, A. S m i t h .

Irides bright yellow, legs and cere yellow. Length $19\frac{3}{4}$ " , ex. 40 " , w. $13\frac{1}{2}$ " , t. $9\frac{1}{2}$ " , tr. $2\frac{3}{4}$ " , bill at f. $\frac{1}{2}$ " , mid toe and claw = $1\frac{1}{2}$ inch, spread of foot $\frac{3}{4}$ " . — From Mymensing.

53. *CIRCUS MELANOLEUCUS*, G m e l i n.

L. $17\frac{1}{2}$ " , ex. 42" , w. 14" , t. $9\frac{1}{4}$ " , tr. 3.0" , mid toe and claw $2\frac{3}{4}$ " , cere dark yellow ; from Bolagunj, Sylhet.

72. *KETUPA CEYLONENSIS*, G m e l.

81. *NINOX SCUTELLATUS*, R a f f l.

85. *HIRUNDO DAURICA*, L i n n.

Specimens of the three last named species were obtained at Mymensing.

89. *COTYLE SINENSIS*, G r a y.

Breeding in January at Shirshang in banks of the Lumessary River. L. $12\frac{1}{2}$ " , w. $8\frac{1}{4}$ " , t. $6\frac{1}{2}$ " , tr. 0.7" , bill at f. 0.5" .

109. *CAPRIMULGUS ALBONOTATUS*, T i c k e l l.

The first primary has a white spot on the inner web only, and is also faintly mottled at tip.

119. *MEROPS QUINTICOLOR*, V i e i l l.

Ear coverts dark brown, tail exceeds end of wings by $1\frac{1}{2}$ inches. L. $8\frac{3}{4}$ " , w. 4.2" , t. 3.4" , tr. 1.4" , bill at f. 1.3" . Several specimens obtained in the topes of trees at Agarkote, W. Shushang, Mymensing district.

129. *HALCYON FUSCUS*, B o d d.

L. 11" , ex. 16.7" , w. 4.7" , t. 3.5" , tr. 0.7" , bill at f. 2.25" ; foot of hills near Sylhet and Mymensing.

141. *HYDROCISSA CORONATA*, B o d d.

♂.—L. $36\frac{1}{2}$ " , ex. 41" , w. 14.5" , t. 13.5" , tr. 2" , bill at f. $5\frac{1}{2}$ " , casque depth at base $3\frac{3}{8}$ " , its length over top 7" , bill from gape $6\frac{3}{4}$ " .

♀.—L. 36" , ex. 42.5" , w. 14" , t. 13" , tr. 2.0" , casque depth at base $3\frac{3}{8}$ " , casque over top $6\frac{1}{4}$ " , bill from gape $6\frac{1}{2}$ " .

Orbital skin waxy white, bill waxy pale ochre with a black longitudinal mark in front. J e r d o n remarks that the black patch does not extend to the upper mandible ; in my specimens it does so markedly. I was at first inclined to think that the species was *H. albirostris*, but its much larger size distinguishes it from that species.

I shot both sexes in the west Khasi Hills, West of Pundengru in the dense forest, on the same tree which was frequented by these birds for the fruit then ripe.

148. *PALÆORNIS TORQUATUS*, B o d d. — Chatak.

172. *GECCINUS OCCIPITATUS*, V i g o r s.

♀.—L. $11\frac{1}{4}$ " , w. $5\frac{3}{8}$ " , t. $4\frac{1}{2}$ " , tr. $1\frac{1}{8}$ " , bill at f. $1\cdot28$ " .

As the description of a female has not been given by J e r d o n , I give it here. Head grey with feathers centred dark grey, rufous and grey at chin, breast dull green; primaries and secondaries spotted on inner web with white; tail black, tinged green on outer edge of web and faintly barred; back yellow green, strong on upper tail coverts; legs plumbeous.

178. *MICROPTERNUS PHAIOCEPS*, B l y t h.

From Lukhipur, Cachar.

180. *BRACHYPTERNUS AURANTIUS*, L i n n. — Mymensing.188. *YUNX TORQUILA*, L i n n.

W. $3\cdot3$ " , t. $3\cdot1$ " , tr. $0\cdot75$ " , bill at f. $0\cdot58$ " .

197. *XANTHOLÆMA INDICA*, L a t h. — Chatak.199. *CUCULUS CANORUS*, L i n n.

Shot in Mymensing District in a fine tope of trees on the bank of the Ubda Káli river in April. The call was not so low and soft as that of the European bird, or the Cuckoo heard in the Himalayas and Khasi Hills; it was quite harsh compared to it.

203. *CUCULUS MICROPTERUS*, G o u l d. — Chatak, in April.

One specimen measures: L. 13 " , ex. $21\frac{1}{2}$ " , w. $7\frac{3}{4}$ " , t. $6\cdot5$ " , tr. $0\cdot9$ " , bill at f. $0\cdot95$ " ; another specimen: ex. 22 " , w. 8 " , t. $6\cdot25$ " , bill at front $0\cdot98$ " .

The note of this bird is a repetition of the sound, *ta-koo, ta-koo*, with an intervening pause, quite different from the familiar note of the Cuckoo, *C. Canorus*.—One specimen was much larger than the other. The first was of a fine rich brown grey with a purple gloss, the other dull and grey; the rufous tinge on side of upper breast and neck was also absent in this last. I am inclined to think that *C. micropterus* and *striatus* are not to be separated, one being only a finer larger bird than the other.

217. *CENTROPUS RUFIPENNIS*, B l y t h. — Teria Ghat.224. *ARACHNOTHERA PUSILLA*, B l y t h.

Wg. $2\cdot7$ " , t. $1\cdot8$ " , tr. $0\cdot68$ " , bill at f. $1\cdot42$ " . Hemeo Peak, N. Cachar Hills.

232. *LEPTOCOMA ZEYLONICA*, L i n n.

Length 4 " , w. 2 " , t. $1\cdot3$ " , tr. $0\cdot52$ " , bill at f. $0\cdot7$ " .

234. *ARACHNECHTHRA ASIATICA*, L a t h. ♀ — Teria Ghat.

238. *DICÆUM MINIMUM*, T i c k e l l.

Length 3·1", w. 1·75", t. 0·75", tr. 0·42", bill at f. 0·34". Bill grey, pale at base. Garo Hills.

257. *LANIUS ERYTHRONOTUS*, V i g o r s.

Length 9½", ex. 11¼", w. 3¾", t. 4¼", tr. 1⅞". Mymensing.

259. *LANIUS NIGRICEPS*, F r a n k l i n.

261. *LANIUS CRISTATUS*, L i n n.

L. 7¾", ex. 10½", w. 3¾", t. 3½", tr. 0·85", bill at f. 0·6".

276. *PERICROCOTUS PEREGRINUS*, L i n n.

L. 5¾", ex. 8½", w. 2·7", t. 3", tr. 0·6", bill at f. 0·37". — Mymensing.

283. *BHIRINGA REMIFER*, T e m m. — Garo Hills.

307. *CYORNIS RUFICAUDA*, S w a i n s o n.

L. 5¼", w. 2·8", t. 2·4", tr. 0·68", bill at f. 0·4". North Cachar.

Above olivaceous, with tinge of rufous on lower back; tail rusty with pale brown edges; chin and throat dull white; breast rusty brown, oily white on abdomen and sullied with green.

324. *ERYTHROSTERNA PUSILLA*, B l y t h.

L. 4¼", w. 2·3", t. 1·6", tr. 0·68", bill at f. 0·3"; legs reddish fleshy; procured at the base of the Garo Hills.

350a. *ZOOTHERA MARGINATA*, B l y t h.

L. 8½", ex. 14½", w. 4¾", t. 3", tr. 1·0", bill at f. 1·0", legs fleshy grey, bill black; from the base of West Khasi Hills.

352. *OROCETES ERYTHROGASTRA*, V i g o r s.

W. 4·8", bill at f. 0·8", tr. 1·1". — North Cachar.

355. *GEOCICHLA CITRINA*, L a t h a m.

Obtained at Asalú and in the Garo Hills. Length 8½", w. 4·5", t. 3·0", tr. 1·3", bill at f. 0·7".

363. *MERULA CASTANEA*, G o u l d.

Length 10", ex. 14", w. 5½", t. 4⅞", tr. 1⅝", bill at f. 0·8", legs dull yellow, irides dark brown. Tura range, Garo Hills.

371. *OREOCINCLA DAUMA*, L a t h.

Length 10½", w. 5⅝", t. 4", tr. 1·4".

373. *PARADOXORNIS FLAVIROSTRIS*, G o u l d.

Length 9", ex. 9¾", w. 3½", t. 4", tr. 1¼", bill from gape ½".

Obtained in the high grass of the jheels near Bolagunj in December. Several were then seen. On passing through the same ground in April, I found it quite common, and it evidently breeds there.

384. GAMSORHYNCHUS RUFULUS, Blyth. — Garo Hills.

387. TRICHASTOMA ABBOTII, Blyth.

Irides red brown, legs pale fleshy. Length $6\frac{1}{4}$ ", w. 3", t. 2.1", tr. 0.95", bill at f. 0.65". Foot of South Garo Hills.

390a. TURDINUS BREVICAUDATUS, Blyth.

From South base of Khasi and Garo Hills. The under tail coverts are very rufous, feathers of the head and neck very large and scale-like, centred paler and edged darker brown. Secondaries and larger coverts tipped with pale rufous; above umber brown, grey on the chin and upper throat. The type specimen in the Asiatic Society's Museum is much faded.

403. POMATORHINUS LEUCOGASTER, Gould.

From West Khasi Hills. Irides red buff, bill yellow.

Length 9", ex. $9\frac{3}{4}$ ", w. 4.15", t. 4.3", tr. 1.4", bill at f. 1.15", bill from gape 1.3", hind toe 0.62" and claw .48" = 1.1", spread of foot 2.15".

405. POMATORHINUS ERYTHROGENYS, Gould.

West Khasi Hills, December. Irides dark red brown, legs and bill pale grey, one specimen had greenish grey legs. One specimen measures: Length 10.5", ex. 12", w. 3.9", t. 3.9", tr. 1.6", bill at f. 1.6"; another specimen: Length 10.5", ex. 12.5", w. 4.2", t. 4.3", tarsus and bill the same as in the last, bill from gape 1.9" in both.

409a. GARULAX GULARIS, Mc Lelland.

This rare bird was procured at Lukhipur near Cachar; it appears that only two specimens have been obtained in Assam, one by Mc Lelland, and another by Dr. Jerdon who sent it to Mr. Gould; it is figured and described in the "Birds of Asia."

Length $9\frac{1}{4}$ ", w. 3.8", t. $4\frac{1}{4}$ ", tr. 1.52", bill at f. 1.02".

410. GARRULAX RUFICOLLIS, Jard. and Selby.

Length 10", ex. $11\frac{1}{2}$ ", w. 3.7", t. 4.2", tr. 1.45", bill at f. 0.7"; the tail is distinctly barred. From base of Garo Hills.

439. CHATARRHOEA EARLEI, Blyth.

Hind toe and claw 0.8", spread of foot 1.8". Mymensing and Sylhet, very common in the grassy parts of those districts.

440. MEGALURUS PALUSTRIS, Horsf.

The tail is distinctly barred, and the breast and flanks are streaked with brown rather than spotted.

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441. *CHÆTORNIS STRIATUS*, J e r d o n.

Length $7\frac{3}{4}$ " , w. $3\frac{1}{2}$ " , t. $3\cdot6$ " , tr. $1\cdot15$ " , bill at f. $\cdot52$ " ; rather smaller than the dimensions given by J e r d o n. Irides pale amber.

447a. *IOLE VIRESCENS*, B l y t h.

Wing $3\cdot2$ " , t. $2\cdot9$ " , tr. $0\cdot62$ " , bill from gape $0\cdot82$ " . Lukhipur near Cachar.

463a. *PHYLLORNIS COCHINCHINENSIS*, L a t h.

From Kylas Peak or Chickmung, Garo Hills.

484. *PRATINCOLA LEUCURA*, B l y t h.

Length $5\frac{3}{8}$ " , ex. 8 " , w. $2\frac{6}{8}$ " , t. 2 " . In reeds and grass bordering rivers in North Mymensing district.

486. *PRATINCOLA FERREA*, H o d g. — Cachar.

487. *RHODOPHILA MELANOLEUCA*, J e r d o n.

♂ Sp. Length 6 " , ex. $8\frac{1}{4}$ " , w. $2\cdot6$ " , t. $2\cdot7$ " , tr. $0\cdot8$ " , bill at f. $0\cdot42$ " .

♀ Sp. , , $5\frac{3}{4}$ " , , , $7\frac{3}{4}$ " , , , $2\cdot45$ " , , , $2\cdot55$ " , , , $0\cdot8$ " , , , , $0\cdot5$ " .

Obtained at Chatak and to the North of Mymensing.

503. *RUTICILLA FRONTALIS*, V i g o r s.

Wing $3\cdot6$ " , t. 3 " , tr. $0\cdot9$ " , bill at f. $0\cdot42$ " . N. Cachar.

512. *CALLIOPE KAMTSCHATKENSIS*, G m e l.

Length 6 " , ex. $8\frac{1}{2}$ " , w. 3 " , t. $2\cdot3$ " , tr. $1\cdot15$ " , bill at f. $0\cdot45$ " . Bill grey, legs pale grey, irides dark brown. Mymensing.

513. *CALLIOPE PECTORALIS*, G o u l d.

Length $6\frac{1}{2}$ " , ex. 9 " , w. $2\frac{3}{4}$ " , t. $2\frac{3}{4}$ " , tr. $1\frac{1}{8}$ " . Mymensing.

514. *CYANECULA SUECICA*, L i n n.

♀ Sp. Length 6 " , ex. $8\frac{5}{8}$ " , w. 3 " , t. $2\frac{1}{4}$ " , tr. $1\cdot1$ " . This female bird was dark ashy above with a tinge of brown. Mymensing.

515. *ACROCEPHALUS BRUNNESCENS*, J e r d o n.

Length 8 " , ex. 10 " , w. $3\frac{5}{8}$ " , t. $3\frac{1}{2}$ " . — N. Mymensing.

516. *A. DUMETORUM*, B l y t h.

Length 5 " , ex. 7 " , w. $2\cdot35$ " , t. $2\cdot3$ " , tr. $0\cdot9$ " , bill from gape $0\cdot7$ " . — Chatak.

517. *A. AGRICOLUS*, J e r d o n.

Length $5\frac{3}{8}$ " , ex. $6\frac{1}{4}$ " , w. $2\cdot2$ " , t. $2\cdot4$ " , tr. $0\cdot95$ " . Irides pale ochre yellow. Bill grey above, pale below, legs pale fleshy. — Chatak.

518. *ARUNDINAX OLIVACEUS*, B l y t h.

Length $7\cdot5$ " , ex. $9\cdot75$ " , w. $3\cdot15$ " , t. $3\cdot5$ " , tr. $1\cdot2$ " , bill at f. $0\cdot6$ " ; legs pale grey, bill fleshy below, tail distinctly barred. — Chatak.

520. *LOCUSTELLA CERTHIOLA*, P a l l a s. — Cherra Poonjee.

Wing $2\cdot4$ " , tr. $0\cdot9$ " , bill at f. $0\cdot5$ " .

530. *ORTHOTOMUS LONGICAUDA*, Gmel.—N. Mymensing.

532. *PRINIA FLAVIVENTRIS*, DelleSSERT.

Wing 1·85", tr. 0·75", bill at f. 0·45"; in high reedy grass near the rivers. North Mymensing.

555. *PHYLLOSCOPUS FUSCATUS*, Blyth.

1 specim: Length 5", ex. 7·5", w. 2·4", t. 2", tr. 0·9", bill at f. 0·35".

2 specim: Length 5", ex. 6", w. 2·5", t. 2·25", tr. 0·9", bill at f. 0·4".

Tail very indistinctly barred; 1st quill is 0·7" shorter than the 2nd, the 2nd—0·4" than the 3rd, 4th quill the longest, 5th and 6th sub-equal. Among high reeds in beels between Bolagunj and Chatak, Sylhet District.

558. *PHYL. LUGUBRIS*, Blyth.

Length 5", w. 2·3", tr. 0·8", bill at f. 0·37"; 1st primary 0·19", 2nd 0·65" longer; legs greenish grey; bill at base below pale yellow.

560. *PHYLLOSCOPUS VIRIDANUS*, Blyth.

From high grass in beels near Chatak.

577. *ABRORNIS ALBOGULARIS*, Hodg.

Length 3½", ex. 5·0", w. 1·8", t. 1·8", tr. 0·62", bill at f. 0·16". This rather rare bird was seen several times in the forest on the slopes of Kylas or Chikmung Peak, Garo Hills, generally low among the boughs, not confining itself to the tops of the trees, as many allied species do.

593. *BUDYTES VIRIDIS*, Gmel. Mymensing, &c.

645. *PARUS CINEREUS*, Vieil.

Jerdon in his description does not allude to the tail feathers of this bird. In my specimen, from the base of the Garo Hills, the centre tail feathers are dark slaty, the rest edged cinereous; the outermost are white, penultimate white on inner web for half an inch and tipped with the same color; the antepenultimate with a very small white spot on the inner web. Length 5½", ex. 8¼", w. 2⅞", t. 2¼", tr. 0·65", bill at f. 0·4".

686. *ACRIDOTHERES FUSCUS*, Wagler.—Shuthang, Mymensing.

696. *PLOCEUS BENGALENSIS*, Linn.—Hylakandy, Cachar.

702. *MUNIA ACUTICAUDA*, Hodg.

Length 5¼", ex. 6¼", w. 2·1", t. 1·6", tr. 0·6", bill at f. 0·4"; irides dark red brown, legs grey. West Khasi Hills.

706. *PASSER INDICUS*, J a r d. and S e l b y.

717. *EMBERIZA SPODOCEPHALA*, P a l l a s.

This bird was common in the marshes between Chatak and Bologunj in April. Length 6", w. 3", t. 2·7", tr. 0·75", bill at f. 0·45".

720. *EMBERIZA PUSILLA*, P a l l a s.—Foot of Garo Hills.

A very large specimen measured: Length 5 $\frac{6}{8}$ ", ex. 8 $\frac{1}{2}$ ", w. 3", t. 2 $\frac{1}{2}$ ", tr. 0·7", bill at f. 0·37". A smaller spec. has w. 2·5", t. 2 $\frac{3}{8}$ ".

723. *EUSPIZA AUREOLA*, P a l l a s.

Length about 6", w. 3·05", t. 2·4", tr. 0·85", bill at f. 0·5". Bill and legs pale fleshy, the former paler above; the dark brown collar mentioned by J e r d o n was conspicuous in the specimen I obtained in December at Sonaingunj, Sylhet district.

754. *MIRAFRA ASSAMICA*, M e L e l l a n d.

Length 6", ex. 10 $\frac{1}{2}$ ", w. 3·2", t. 1·9", tr. 0·9", bill at f. 0·6", hind toe and claw 0·8". Mymensing.

772. *CROCOPUS PHENICOPTERUS*, L a t h a m.—Mymensing.

774. *OSMOTRERON BICINCTA*, J e r d o n.—From Chatak, Sylhet.

Length 10·5", ex. 18", w. 5 $\frac{7}{8}$ ", t. 3·5", tr. 0·7", bill at f. 0·65". Under tail coverts pale, slightly streaked with dusky.

780. *CARPHOHAGA SYLVATICA*, T i c k e l l.—Garo Hills.

788. *COLUMBA INTERMEDIA*, S t r i c k l a n d.—Mymensing.

793. *TURTUR MEENA*, S y k e s.—Khasi hills.

Length 14", ex. 20", w. 7", t. 5", tr. 0·9", bill at f. 0·7".

796. *TURTUR RISORIA*, L i n n.

803. *PAVO CRISTATUS*, L i n n.

Common in Mymensing at the base of the Garos, and very numerous about the villages in the higher part of the Shunshang or Sumesang river, quite in the heart of the hills. East of the Moish Kulla and even of the Mahadeo river this bird is not seen; I have never heard them at the base of the Khasi Hills near Teria, and if there are any there they are very scarce indeed. The South base of the Garos may be said to mark the extreme Eastern range of the Indian Bird.

803a. *POLYPECTRON TIBITANUM*, L i n n.

811. *GALLOPHASIS HORSFIELDII*, G r a y.

812. *GALLUS FERRUGINEUS*, G m e l.

Occurs up to 4000 feet in the Burrail ranges.

823. ORTYGORNIS GULARIS, T e m m i n c k.

I have seen a specimen shot by Lt. R. Beavan on the Cherra Punjí plateau; a pair brought up a brood in the garden at Emmaville in the same place last summer, 1869. It is curious to find this bird, with a habitat in the swampy grass jungle at the base of the hills, ranging so high as 4000 ft.

831. EXCALFACTORIA CHINENSIS, L i n n.

This handsome little game bird comes in at Cherra about August.

825. ARBORICOLA RUFUGULARIS, B l y t h.—North Cachar.

Length $9\frac{1}{2}$ " , w. $5\frac{1}{4}$ " , t. $2\frac{1}{4}$ " , tr. $1\cdot5$ " , bill at f. $0\cdot7$ " .

825a. ARBORICOLA ATROGULARIS, B l y t h.

Tura Range, Garo Hills. Length $9\frac{1}{4}$ " , ex. $16\frac{1}{2}$ " , w. $5\frac{1}{8}$ " , t. $2\frac{1}{2}$ " , tr. $1\cdot6$ " , bill at f. $0\cdot65$ " ,

843. GLAREOLA LACTEA, T e m m.

845. CHARADRIUS LONGIPES, T e m m.

846. ÆGIALITIS LESCHENAUThI, L e s s o n.

849. Æ. PHILLIPS~~ENSIS~~, S c o p o l i.

854. CHETTUSIA INORNATA, T. and S c h l e g.

855. LOBIVANELLUS GOENSIS, G m e l i n.

857. HOPLOPTERUS VENTRALIS, C u v i e r.

870. GALLINAGO STENURA, T e m m.

Length $4\frac{3}{4}$ " , w. $4\frac{3}{4}$ " , t. $2\cdot3$ " , tr. $1\cdot18$ " , bill at f. $2\cdot3$ " . I first observed this bird on the 5th April solitary on the edge of a stream flowing through the marches between Chatak and Bolagunj ; several were flushed and I bagged a couple, one of which I observed running along the muddy edge of the water like an *Actitis*, which I at first took it to be; they were by no means wild, flying a short distance and setting by the water up stream. Proceeding and shooting along the same river 12 days after I did not see one, they had evidently all passed to the north.

871. GALLINAGO SCOLOPACINUS, B o n n.

872. GALLINAGO GALLINULA, L i n n.

884. TRINGA SUBMINUTA, L e i s l e r.

885. TRINGA TEMMINCKII, L e i s.

891. ACTITIS GLAREOLA, G m e l.

892. ACTITIS OCHROPUS, L i n n.

893. AC. HYPOLEUCOS, L i n n.

A large white spot on the inner webs of all the primaries except the *first*; the secondaries barred white, three last with a dusky spot, the last has a white spot on inner web.

894. TOTANUS GLOTTIS, L i n n.
 898. HIMANTOPUS CANDIDUS, B o n a t e r r e.
 900. METOPIDIUS INDICUS, L a t h a m.
 901. HYDROPHASIANUS CHIRURGUS, S c o p.
 902. PORPHYRIO POLIOCEPHALUS, L a t h a m.
 905. GALLINULA CHLOROPUS, L i n n.
 907. GALLINULA PHENICURA, P e n n a n t.

Length $13\frac{1}{2}$ " , w. 6·2" , t. 3" , tr. 2·6" , bill at f. $1\frac{3}{4}$ " , mid toe and claw 2·9" , hind toe and claw 1·2" . In the specimen I got in Mymensing there is a marked black line down the side of the neck, in immediate contact with the white of the front part.

923. ARDEA CINEREA, L i n n.
 924. ARDEA PURPUREA, L i n n.
 926. HERODIAS EGRETTOIDES, T e m m.
 929. BUPHIUS COROMANDUS, B o d.
 930. ARDEOLA LEUCOPTERA, B o d.
 931. BUTORIDES JAVANICA, H o r s f.
 932. ARDETTA FLAVICOLLIS, L a t h a m.

Length 21" , ex. 29" , w. 8" , t. 2" , tr. 2·65" , bill at f. 3·3" , hind toe 2·3 + claw ·55 = 2·85" . Bill and cere madder brown, irides red brown with a narrow ring of pale yellow; legs dusky red brown. The mid toe and claw is somewhat longer than the measurement given by J e r d o n , exceeding it by 0·35" .

933. ARDETTA CINAMOMEA, G m e l.
 934. ARDETTA SINENSIS, G m e l.
 938. TANTALUS LEUCOCEPHALUS, G m e l.

In the specimen obtained in January, I noticed that the primaries and secondaries were not all of the same shade of color, the contrast being very marked. The first five primaries were glossy purple *black*, the next five glossy *green*. The first two secondaries purple *black*, three next glossy *green*, then three of purple *black*, the next five glossy *green*, and remainder of the secondaries of a *black* tinge. This probably marks the succession of growth of these large feathers during the period of moulting and the difference of

tint is due to the difference in age; one set falling out in this regular order and coming to maturity before the next are ready to fall out. J e r d o n does not notice this difference of shade, and it may have been peculiar only to this one bird, as I only obtained one specimen.

940. ANASTOMUS OSCITANS, B o d.

942. GERONTICUS PAPILLOSUS, T e m m.

The whole back has a metallic tinge; the lower parts are *pale* blackish brown, the under tail coverts glossed with blue green; legs *dull* pale lake. Shot in December in Mymensing district.

943. FALCINELLUS IGNEUS, G m e l i n.

951. NETTAPUS COROMANDELIANUS, G m e l i n. — Sylhet.

952. DENDROCYGNA AWSUREE, S y k e s.

954. CASARCA RUTILA, P a l l a s. — Mymensing.

957. SPATULA CLYPEATA, L i n n.

959. ANAS PÆCILORHYNCHA, P e n n a n t.

961. CHAULELASMUS STREPERUS, L i n n. — Mymensing.

964. QUERQUEDULA CRECCA, L i n n.*

965. QUERQUEDULA CIRCIA, L i n n.

972. MERGUS CASTOR, L i n n.

In December this bird is generally to be seen on the deep reaches of water on the larger rivers above their debouchment into the plains.

♂ Length 26", ex. 38½", w. 11½", t. 6", tr. 2⅛", bill at f. 2". Irides dark brown; in the female the bill is pale purple, legs dull orange.

980. XEMA BRUNNICEPHALA, J e r d o n.

984. HYDROCHELIDON INDICA, S t e p h e n s.

985. SEENA AURANTIA, G r a y.

1005. GRACULUS CARBO, L i n n.

Very numerous in the deep pools on the Sumessary River near Rywick, Garo Hills.

1007. GRACULUS JAVANICUS, H o r s f.

1008. PLOTUS MELANOGASTER, G m e l i n.

* J e r d o n does not make reference to the large patch of glossy green on the side of the head; the fine white line running from eye and bounding this patch below, while another curves upward from the base of bill over the same green patch.